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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

05 OCT 2004

Applicant's or agent's file reference PE15258PC00 FOR FURTHER ACTION See Form PCT/IPEA/416		See Form PCT/IPEA/416						
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)						
PCT/SE 2003/000459	19.03.2003	05.04.2002						
International Patent Classification (IPC) o	L	03.04.2002						
H04B 1/04, H03F 1/32								
TOTO TIOT TIOT								
Applicant								
Telefonaktiebolaget LM Ericsson (publ) et al								
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of 3 sheets, including this cover sheet.								
3. This report is also accompanied by ANNEXES, comprising:								
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:								
	· · · · · · · · · · · · · · · · · · ·	s which have been amended and are the basis of this report						
and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes								
	beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
b. (sent to the Internation	onal Bureau only) a total of (indica	te type and number of electronic carrier(s))						
	, containing a sequ	nence listing and/or tables related thereto, in computer						
readable form only, a Administrative Instru		ox Relating to Sequence Listing (see Section 802 of the						
4. This report contains indications re	elating to the following items:							
Box No. I Basis of the report								
Box No. II Priority								
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
Box No. IV Lack of	Box No. IV Lack of unity of invention							
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VII Certain	Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application								
Date of submission of the demand		completion of this report						
10.10.2003	24.0	24.02.2004						
Name and mailing address of the IPEA/SI	∃ Author	Authorized officer						
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S-102 42 STOCKHOLM	Joha	Johanna Schyberg/mj						
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Form PCT/IPEA/409 (cover sheet) (January 2004)								





application No.

as originally filed/furnished

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY PCT/SE 2003/000459 Box No. I Basis of the report With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description: as originally filed/furnished pages received by this Authority on ____ pages* received by this Authority on pages*

pages*	as amended (together with any statement) under Article 19			
pages*	received by this Authority on			
pages*	received by this Authority on			
the draw	vings:			
 pages	as originally filed/furnished			
pages*	received by this Authority on			
pages*	received by this Authority on			
a sequer	nce listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.			
The ame	endments have resulted in the cancellation of:			
	the description, pages			
	the claims, Nos.			
	the drawings, sheets/figs			
	the sequence listing (specify):			
	any table(s) related to the sequence listing (specify):			
This report has been established as if (some of) the amendments annexed to this report and listed below had no made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)).				
	the description, pages			

the claims, Nos.

the drawings, sheets/figs the sequence listing (specify):

any table(s) related to the sequence listing (specify):

If item 4 applies, some or all of those sheets may be marked "superseded."

the claims:

pages

3.

4.



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Internation application No.

PCT/SE 2003/000459

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

. Statement			
Novelty (N)	Claims	1-33	YES
	Claims		NO
Inventive step (IS)	Claims	1-33	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-33	YES
•	Claims		ио

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:
D1: Mann S. et al. "Increasing the talk-time of mobile radios with efficient linear transmitter architectures", ELECTRONICS & COMMUNICATION ENGINEERING JOURNAL April 2001, pages 65 - 76, XP001058796 A

D2: US 5 990 734 A D3: EP 1 102 392 A2

The cited documents represent the general state of the art. The invention defined in claims 1-33 is not disclosed by any of these documents.

The cited prior art does not give any indication that would in the person skilled the art to claimed multimodulation transmitter method for orgenerating transmitter signal. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-33 is novel and is considered to involve an inventive step. The invention is industrially applicable.